

# [RAPID COLOR RECOGNITION METHOD]

## Abstract

A rapid color recognition method is provided. In the method, an area for representing a color of the pixel is identified according to the basic color component data of the pixel, and then the color code is outputted according to a predetermined color classification table of the area. In the method, since an isosceles right triangle plane is provided by extending and scaling the regular triangle plane by using one side of the regular triangle plane as a base, wherein the regular triangle plane is provided by normalizing the basic color component data. Therefore, the basic color component data is normalized without division operation, and thus the complexity of the operation of the color recognition is reduced.